Index of Claims

| Application No. | Applicant(s) |
|-----------------|---------------|
| 09/854,980 | LEKUCH ET AL. |
| Examiner | Art Unit |

/ Rejected - (Through numeral)
Cancelled

+ Restricted

Non-Elected

I Interference

Chun Cao

A Appeal
O Objected

2115

| 1 √ √ 50 € 1 √ 51 1 101 1 102 1 102 1 103 1 103 1 103 1 103 1 103 1 104 1 105 1 100 1 103 1 104 1 105 1 105 1 106 1 106 1 106 1 106 1 106 1 107 1 8 1 107 1 8 1 107 1 8 1 107 1 8 1 107 1 8 1 108 1 107 1 107 1 107 1 108 1 108 1 108 1 108 1 108 1 108 1 109 1 | Cli | aim | Date | | | | | | | | Claim Date | | | | | | | | | \neg | CI | aim | Date | | | | | | |
|--|----------|--------|-----------|-------------------|--------------------|--------------------|--------------|--|-----------------|----------|--------------|--------|-----------------|--------|-------------|--|-----------|----------|----------|-----------|----------|----------|----------|----------|---------|--------------|--------------|------------------|-----------------|
| 1 √ 51 52 101 102 3 103 103 4 <t< td=""><td></td><td></td><td>9</td><td colspan="7"></td><td></td><td></td><td>П</td><td></td><td>T</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Ť</td><td>Ť</td><td></td><td></td></t<> | | | 9 | | | | | | | | | | П | | T | | | | | | | | | | | Ť | Ť | | |
| 1 √ 51 52 101 102 3 103 103 4 <t< td=""><td>Fins</td><td>Origir</td><td>10/20</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Fig</td><td>Origir</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Fig</td><td>Origir</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | Fins | Origir | 10/20 | | | | | | | | Fig | Origir | | | | | | | | | Fig | Origir | | | | | | | |
| S2 | | 1 | <u>.</u> | | + | + | \vdash | \vdash | \vdash | \dashv | | | \vdash | + | + | ┢ | \dashv | \dashv | - | \dashv | <u> </u> | <u> </u> | \vdash | \dashv | + | + | + | \vdash | \vdash |
| Signature Sign | - | | - | | 1 | † | 1 | T | П | | | | | 1 | 1 | | | | | \dashv | | | | | T | 1 | + | | |
| 5 | | 3 | П | | Т | | | | П | | | | | | | | | | \Box | | | 103 | | | | | | \Box | П |
| 6 106 7 107 8 | | | \coprod | | $oxed{\mathbb{L}}$ | | | | | | | | | | | | | | | | | | | | | | oxdot | | |
| 7 8 107 8 108 108 9 10 60 111 61 110 12 62 112 13 63 1113 14 64 114 15 66 67 16 66 116 17 67 117 18 68 1118 19 69 119 20 70 120 21 71 121 22 72 122 23 73 123 24 74 124 25 75 125 26 76 126 27 77 127 28 78 128 31 80 130 31 80 130 33 83 133 34 84 134 35 85 <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ш.</td> <td></td> | | | 1 | | | | | | | | | | Ш. | | | | | | | | | | | | | | | | |
| 8 108 9 10 10 60 11 61 12 62 13 63 14 64 15 65 16 66 17 67 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 76 27 77 28 78 29 79 30 130 31 81 32 ✓ 82 33 131 34 134 40 90 41 90 42 132 43 133 44 134 45 75 77 127 77 127 | | | Ц | | ┸ | $oldsymbol{\perp}$ | ┖ | | Ш | _ | | | | | _ | L | | | _ | _ | <u></u> | | \Box | | _ | ┸ | | Ш | |
| 9 10 60 110 111 111 111 61 111 111 111 61 111 | | | Ц | | +- | - | ╄ | \vdash | \sqcup | _ | | | | _ | +- | _ | | _ | _ | | ļ | | \Box | | 4 | \perp | 1- | \perp | \sqcup |
| 10 | - | | Н | | +- | ┼ | \vdash | <u> </u> | \vdash | | | | - | | - | - | | _ | | _ | <u> </u> | | \dashv | - | 4 | - | - | - | \vdash |
| 11 12 62 111 112 113 113 113 113 113 113 113 113 114 115 115 116 115 116 115 116 115 116 117 116 117 116 117 116 117 118 116 117 118 118 118 118 118 118 118 118 118 118 119 120 120 120 120 121 121 122 122 122 122 122 122 122 123 124 124 124 124 124 124 124 125 125 125 125 125 125 125 125 125 126 127 127 127 127 127 127 127 127 127 127 127 127 128 128 129 130 130 131 131 132 132 133 134 134 134 134 134 134 134 133 133 133 | \vdash | _ | Н | \vdash | + | + | - | - | $\vdash \vdash$ | - | | | | - - | - | H | \square | \dashv | \dashv | - | <u> </u> | | | _ | + | + | +- | \vdash | \vdash |
| 12 | - | | Н | | ┿ | +- | ╁ | \vdash | \vdash | \dashv | | | ┝╌┼╴ | - | ┼ | ┝ | | - | \dashv | - | - | | | - | +- | + | ╁ | ╂╼┥ | \vdash |
| 13 14 63 64 113 114 115 115 116 115 115 115 115 116 117 66 66 66 117 118 118 118 118 118 118 118 118 118 118 118 118 118 119 120 120 120 120 120 121 121 121 121 121 122 123 122 123 122 123 123 123 123 123 123 124 124 125 125 126 126 126 127 127 128 125 126 127 127 128 128 129 130 131 131 131 131 132 132 132 133 134 134 134 134 134 134 134 134 134 134 134 134 134 133 133 133 133 133 133 133 134 134 134 134 134 134 134 <td>\vdash</td> <td></td> <td>Н</td> <td>\vdash</td> <td>+</td> <td>+</td> <td>\vdash</td> <td>H</td> <td>Н</td> <td>\dashv</td> <td></td> <td></td> <td> </td> <td></td> <td>+</td> <td></td> <td>\vdash</td> <td></td> <td>\dashv</td> <td></td> <td></td> <td></td> <td>\dashv</td> <td>+</td> <td>+</td> <td>╫</td> <td>╁╌</td> <td>+</td> <td>$\vdash \vdash$</td> | \vdash | | Н | \vdash | + | + | \vdash | H | Н | \dashv | | | | | + | | \vdash | | \dashv | | | | \dashv | + | + | ╫ | ╁╌ | + | $\vdash \vdash$ |
| 14 64 114 115 116 115 116 116 116 117 118 116 117 118 118 119 117 118 119 118 119 119 120 121 120 121 121 121 121 121 122 22 23 123 24 124 24 124 24 124 24 124 24 124 24 124 25 26 76 126 77 127 27 27 77 127 28 29 29 29 </td <td>\vdash</td> <td></td> <td>Н</td> <td>\vdash</td> <td>+</td> <td>╁╌</td> <td>╁</td> <td>-</td> <td>\vdash</td> <td>\dashv</td> <td>-</td> <td></td> <td>\vdash</td> <td>-</td> <td>+</td> <td>\vdash</td> <td></td> <td>-</td> <td>\dashv</td> <td>\dashv</td> <td></td> <td></td> <td></td> <td></td> <td>╁</td> <td>+-</td> <td>╁╌</td> <td>1</td> <td>\vdash</td> | \vdash | | Н | \vdash | + | ╁╌ | ╁ | - | \vdash | \dashv | - | | \vdash | - | + | \vdash | | - | \dashv | \dashv | | | | | ╁ | +- | ╁╌ | 1 | \vdash |
| 15 | | | Н | \vdash | + | + | ╁ | | \vdash | \dashv | | | - | | +- | - | | | \dashv | \dashv | | | | | + | ╁ | + | \vdash | \vdash |
| 16 | | | 1 | \vdash \vdash | 1 | \top | ┰ | H | H | \dashv | | | | \top | \top | | \neg | \neg | \dashv | \neg | \vdash | | | Ť | T | † | †- | 1-1 | 1 |
| 17 | | | 1 | | \top | 1 | | T | П | \neg | | | | \top | T | \vdash | \neg | \neg | | | | | | | 1 | Ť | † | 1-1 | |
| 18 | | 17 | П | | | | | | П | \neg | | 67 | | | 1 | | | | \neg | | | 117 | | | 1 | \top | | | |
| 120 | | | | | | | | | | | | | | | | | | | | | | 118 | | | | | | \Box | |
| 21 121 22 123 24 123 25 123 26 76 27 127 28 77 28 77 28 79 30 129 30 130 31 81 32 83 33 83 33 83 33 83 33 83 33 83 33 83 34 84 35 85 36 86 37 87 38 88 39 90 40 90 41 91 44 94 44 94 48 98 48 99 48 99 49 148 49 99 | | | | | \perp | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 122 123 124 124 124 124 124 124 124 124 125 125 126 125 126 126 126 127 128 127 128 128 129 128 129 128 129 129 129 129 130 130 130 131 131 132 132 132 133 134 134 132 132 133 133 134 134 134 134 134 134 134 134 134 134 134 135 136 136 136 136 136 136 136 136 136 136 136 137 137 137 137 138 138 138 139 140 141 141 141 141 141 141 141 142 143 144 144 144 144 144 144 144 144 144 144 <td></td> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 123 123 124 124 124 125 125 125 125 126 125 126 126 127 127 127 128 129 127 128 129 129 130 130 130 131 131 132 133 133 131 131 132 132 133 133 133 134 134 134 134 134 134 134 134 134 134 134 134 135 135 136 135 136 136 137 136 137 136 137 137 138 138 138 138 138 139 140 140 140 141 141 142 142 142 142 143 144 144 144 144 144 144 144 144 144 145 146 147 148 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 1 | | | 1 | | ┸ | | | <u> </u> | | | | | | | <u> </u> | | | | | _ | | | | | \perp | | | | \sqcup |
| 24 124 124 125 125 126 126 126 126 126 126 127 127 127 127 127 128 129 129 129 129 130 130 130 130 131 130 131 131 130 131 131 132 132 132 132 133 133 133 133 133 133 133 133 133 134 136 135 135 136 136 136 137 137 137 137 138 138 138 139 140 141 141 141 141 141 141 142 143 144 144 144 144 144 144 144 144 144 144 145 146 147 148 148 148 148 148 148 148 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 1 | | | Щ | | _ | 1 | <u> </u> | _ | Ш | _ | | | | _ | <u> </u> | | | | | _ | | | | \perp | ┸ | \bot | 1 | \perp | Ш |
| 25 125 26 76 27 77 28 78 29 128 79 129 30 130 31 80 32 131 32 82 33 133 34 84 35 85 36 86 37 87 38 136 39 88 40 90 41 91 42 92 43 93 44 94 45 96 47 146 47 98 48 98 48 148 49 99 | <u> </u> | | 1 | | \perp | \perp | _ | L | \sqcup | _ | | | | _ | <u> </u> | Ш | \Box | _ | _ | _ | <u> </u> | | | _ | \bot | Д. | ↓ | $\perp \perp$ | <u> </u> |
| 26 126 27 128 28 128 79 129 30 80 31 80 31 81 32 83 33 83 33 84 35 85 36 86 37 87 38 136 39 88 40 90 41 91 42 92 43 93 44 94 45 96 47 98 48 98 48 146 49 99 | - | | I | $\vdash \vdash$ | + | + | ╀ | | \vdash | | | | | + | - | Н | | | - | 4 | - | | | _ | 4 | 4- | +- | 4 | \sqcup |
| 27 127 28 128 29 128 30 129 30 130 31 131 32 132 33 133 34 84 35 85 36 136 37 87 38 133 39 88 40 90 41 91 42 92 43 93 44 94 45 96 46 97 48 98 49 144 48 98 99 1448 48 98 | | | ₩ | $\vdash\vdash$ | ┾ | ╄╌ | ├ | H | - | | - | | $\vdash \vdash$ | + | +- | H | \dashv | \dashv | \dashv | | | | | | + | + | | + | $\vdash \vdash$ |
| 28 128 29 129 30 130 31 131 32 132 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 46 96 47 97 48 98 49 99 | - | | ╂ | | + | + | ╁ | | H | - | - | | | + | + | H | \dashv | | \dashv | \dashv | | | | \dashv | + | + | + | + | \vdash |
| 29 | | | 1 | | + | + | \vdash | | Н | \dashv | — | | \vdash | ╌ | + | Н | | \dashv | \dashv | | | | | + | + | + | ╁ | + | |
| 30 | | | ╫╴ | \vdash | ╁ | + | \vdash | - | \vdash | ┥ | - | | \vdash | + | ╁ | \vdash | \vdash | | \dashv | \dashv | | 120 | | + | ╅ | ╁ | ╁╾ | 1-1 | |
| 31 | | | Н | | + | + | t | | | \dashv | | | \vdash | + | \dagger | Н | \vdash | \dashv | - | _ | - | | | \dashv | ╈ | + | ╁╴ | + | |
| 32 √ 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | 1 | | \top | T | | | | \neg | | | | \top | 1 | H | | \dashv | 寸 | | | | | \top | + | + | + | 1-1 | \vdash |
| 33 133 34 134 35 85 36 136 37 86 38 136 39 88 40 90 41 91 42 92 43 94 44 94 45 96 46 96 47 98 48 99 49 148 49 99 | | | マ | | T | T | | | | \neg | | | | | 1 | П | | \neg | ヿ | | | | | \dashv | \top | ╅ | T | \Box | \sqcap |
| 35 85 36 136 37 87 38 137 39 88 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 148 | | | | | | | | | П | \neg | | 83 | | \top | | П | | | \neg | | | | | | | 1 | T | \sqcap | П |
| 36 37 86 136 137 38 88 138 138 39 90 140 140 41 91 141 141 42 92 142 143 43 93 143 144 45 95 145 146 46 96 146 147 48 98 148 148 49 99 149 149 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 38 137 138 138 138 139 139 139 140 140 140 140 141 141 141 141 141 141 141 142 142 142 142 143 143 143 143 144 144 144 144 145 145 146 146 147 147 148 148 149 | <u> </u> | | _ | | 1 | _ | $oxed{oxed}$ | Ш | | | | | | | | Ш | | | | | | | | | | | | | |
| 38 39 40 90 41 91 42 92 43 93 44 94 45 96 46 96 47 97 48 98 49 99 | <u> </u> | | _ | | \perp | ↓_ | | | Ц | | | | <u>L_L</u> | | ╽. | Ш | | _ | _ | _ | | | | | \perp | 丄 | \perp | | |
| 39 89 139 40 90 140 41 91 141 42 92 142 43 93 143 44 94 144 45 95 145 46 96 146 47 97 147 48 98 148 49 99 149 | <u> </u> | | _ | <u> </u> | ↓ | 1_ | <u> </u> | <u> </u> | | _ | | | $\sqcup \bot$ | | ↓ | Ш | | _ | | | L | 137 | | | 4 | ┸ | 1 | $oxed{oxed}$ | <u> </u> |
| 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | <u> </u> | | | | - | ╄ | ـــ | _ | | _ | ļ | | $\vdash \vdash$ | | <u> </u> | _ | | _ | _ | _ | <u> </u> | | | _ | _ | ┸ | <u> </u> | ┦ | |
| 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | <u> </u> | | <u> </u> | | + | 1 | - | H | | | <u> </u> | | $\vdash \vdash$ | | ┿. | Ш | \dashv | | - | _ | | 139 | | \perp | 4 | _ | ╄ | $\perp \perp$ | \sqcup |
| 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 40 | | | + | ╀ | - | - | \vdash | \dashv | | 90 | $\vdash \vdash$ | | | | \dashv | - | | 4 | | 140 | \dashv | | + | + | + | + | \vdash |
| 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | ├ | | + | ╁ | - | H | - | | \vdash | | \vdash | + | +- | \vdash | \dashv | \dashv | \dashv | | - | 141 | \dashv | | + | + | ╀ | + | \vdash |
| 44 94 144 45 95 145 46 96 146 47 97 147 48 98 148 49 99 149 | | 42 | | | ╁╴ | + | - | | H | | | | ┝╼┼╸ | -+- | + | Н | | | + | \dashv | | | \dashv | - | ╁ | + | +- | H | \vdash |
| 45 95 46 96 47 97 48 98 49 99 | | | - | | ╁ | + | † | | \vdash | \dashv | _ | 94 | | + | + | H | - | \dashv | \dashv | \dashv | H- | 144 | \vdash | \dashv | + | + | + | $\vdash\vdash$ | \vdash |
| 46 | | | | | + | +- | T | \vdash | - | | | 95 | \vdash | +- | + | \vdash | - | | + | \dashv | - | 145 | \vdash | | + | + | + | + | \vdash |
| 47 | | | | | ✝ | †- | † | | \vdash | \dashv | | | | \top | \top | Н | | \dashv | \dashv | \dashv | - | 146 | | + | + | + | + | \vdash | \vdash |
| 48 98 49 148 99 149 | | | | | 1 | 1 | \vdash | П | | \neg | | | | 1 | †- | т | \dashv | | \dashv | \dashv | | | \dashv | + | T | 1 | + | + | \vdash |
| 49 99 149 149 | | | Г | | 1 | | \Box | | П | \neg | | | | \top | 1 | | | | | ヿ | | 148 | \dashv | 7 | T | ┰ | 1 | \top | 一 |
| | | 49 | | | | | | | | | | 99 | | | 1 | | | | | \exists | | 149 | | \top | T | 1- | 1 | \sqcap | \sqcap |
| | | 50 | Ĺ | | L | | | | | | | 100 | | | | | | | \Box | | | 150 | | I | | Ι | $oxed{\Box}$ | | |